

1974 CQ WORLD-WIDE DX CONTEST CW RESULTS

BY FRED CAPOSSELA,* K6SSS ex-W2IWC/6

REMEMBER how close the Phone contest was?

Well, the c.w. wasn't.

Something else the contest wasn't, was that it didn't happen to fall on Thanksgiving weekend. It falls on the last full weekend of November. Regardless of Thanksgiving.

Victory By .0003%

Just because the top Single Op/All Band scores weren't as close as the Phone test, don't make the mistake of thinking that the competition wasn't close. Take a look at the 4th, 5th, 7th, 8th and 9th place finishers. As little as .0003% separates them. Which works out to be about 1/2 a QSO! Margins of victory like that are just one reason we check logs as closely as we do.

DXpeditions Slug It Out

A number of DXpeditions went Multi-Single. And the competition was red-hot. OH2BH followed up his championship performance in the Phone contest by joining OD5HC and OH2MM in the mountains 4,000 feet above Beirut where they piloted OD5IQ to a new world record. Not only did a computer score their log, it also

printed out their QSL cards. Right on their heels came the FY7AA gang posting a new South American record.

New York's Order of Boiled Owls set a new African mark from a luxury hotel as CT3WA, while halfway around the world in a grass hut, three Californians broke the Oceania record from FW0AA.

Overachievement Dept.

The Multi-Multi PJ9JT gang set out to beat the 1970 world record the hard way. At the bottom of the sunspot cycle, and they might have done it, too, if ten meters had been kinder to them.

Someone who did break a record was CR6IK who owns the new 14 MHz title. He's joined by other brand-new record holders ZL1AMO, KP4EAJ, YU3DBC, 4X4NJ, PA0HIP and K1PBW.

On the subject of overachieving, hats off to the members of the Potomac Valley Radio Club who demolished their 1969 Club record with a staggering 53,869,662 points.

Big Guns Beware!

You're in for some real competition when WN2SJK and WN9MMR drop the "N" from their calls. On the 15 meter Novice band alone,

*Director, CQ DX Contest Committee.

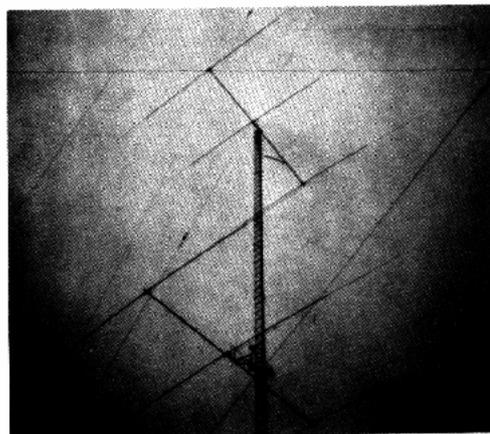
SJG ran up a record 21,024 points, 154 QSOs and a multiplier of 48!

Disqualification: A Word About the Word

If I may get serious for a moment, I'd like to talk about the word, disqualification; exactly what it means, and doesn't mean. Disqualification means one thing: that there has been a rule infraction. That, and only that. There is not—and there can never be—a judgment made as to a contestant's motivation or intent. The only thing we—or anybody else—can judge is whether or not there has been a rule infraction. That's why if somehow the impression has been created that disqualification might carry the slightest implication of motivation, let me state "absolutely not." As I said at the Contest Forum at Dayton, I'll be the first to offer an apology. By the same token, I would also like to be the first to apologize for any "trigger happy" individuals who might have jumped to conclusions, because there are no conclusions to be drawn. As long as men compete in championships—the Super Bowl, Wimbledon or World-Wide DX Contests, there will be referees. And from time to time, there will be rule infractions. And disqualifications. But let's understand what they mean, and do not mean.

Surefire Way to Get Into "QRM"

Simple. Just write about anything except conditions. Don't misunderstand. I'm not against interesting propagation news (like long path on 1.8 or 28 MHz). It's just that I know "conditions weren't as good as last year." Tell me something I don't know. Which leaves the field wide open. And, by the way, don't forget to send in photographs with your log and comments.



This is why WB5DTX gets out so well on 40. That's right, 3 over 31 Top beam is at 165' and the lower one is at 85 feet. With W5BJA at the controls, WB5DTX took second world high on 7 MHz.

TROPHY WINNERS

Single-Operator Single Band

M. C. da Dilva Wilches, CR6IK (14 MHz)

World C.W. Trophy
W2JT Memorial Trophy (NJDXA)

John Bazley, G3HCT
European 14 MHz C.W. Trophy
G2LB Memorial Trophy

Single-Operator All Band

Gary Stillwell, YJ8GS (W6NJU)

World C.W. Trophy
Donor: Larry LeKashman, W2AB

Pete Chamalian, W1BGD/2

USA C.W. Trophy
Donor: Frankford Radio Club

Jerome A. Kolata, Jr., CT2BN

European C.W. Trophy
Donor: W3AU Operators

Micheal Reininga, KP4EAS

Carib./C.A. C.W. Trophy
Donor: Harold Fox, W3AA

H. C. DeWet, ZE1JV

African C.W. Trophy
Donor: Gordon Marshall, W6RR

Owen Jackson, A9XU

Asian C.W. Trophy
Donor: Japan CQ Magazine

Maurice Caplan, VS5MC

Oceania C.W. Trophy
Donor: Maui A.R.C.

Multi-Operator Single Transmitter

OD5IQ (Ops. OH2BH, OH2MM, OD5HC)

World C.W. Trophy
Donor: Anthony Susen, W3AOH

Multi-Operator Multi-Transmitter

PJ9JT (Ops. DJ3KR, K4GKD, PJ2ARI, PJ2VD, W1BIH, W1GNC, W1TX, W3LPL, WA1STN, WA1STO)

World C.W. Trophy
Donor: Hazard Reeves, K2GL

Expedition Trophy

CT3WA (Ops. K2JP, W2AO, W2AX, W2AYJ, W2GC, W2GGE, W2IRV, WB2CKS)

Donor: Stuart Meyer, W2GHK

New for 1975 & 1976

The Committee is conducting an extensive statistical analysis of the entire contest during 1975. So you can expect very little in the way of changes for the upcoming fall contests. However, we are giving consideration to establishing several brand-new categories of competition for 1976. Possible new categories include QRP, OSCAR, SSTV, RTTY and Novice. We are also looking into perhaps expanding classes of Club competition to equalize clubs of various sizes and DX-pedition scores. Needless to say, we'd like to hear from you.

USA TOP SCORES

	W1BGD/2	1,133,847	K4YF	873,072
Single-Op. All Band	K3YUA	1,100,924	W3LPL	858,484
	WA1PID	1,027,424	W2DXL	816,120
	WB4YLG	1,010,330	K6UA	804,340
	W6RR	904,096	WB4BGY	803,586
	28 MHz		7 MHz	
	WA5RTG	9,000	WB5DTX	156,960
	K2QBW	8,639	WA8ZDF	146,792
	W6HX	7,954	K2LWR	113,080
	WB4UYD	7,650	W6ITY	112,963
	WA4DRU	7,399	W6ILP	70,500
	WA5STI	7,392	WB5DIZ	61,542
	21 MHz		3.5 MHz	
Single-Op. Single Band	W4KFC	161,880	W3MFW	71,874
	W4WSF	133,380	W4YHD	63,518
	W2NIN	118,770	W4CRW	43,600
	W6YRA	117,852	W6NLZ	21,168
	K4PHY	106,106	W7KAR	21,168
	W1PIV	100,582	VE3DXV/W6	18,327
	14 MHz		1.8 MHz	
	K6SDR	223,560	K1PBW	9,750
	W4AAV	181,630	W8BAPH	7,626
	K8IDE	162,250	W1BB	6,279
	WA0CYS	139,971	W3IN	3,914
	W9KNI	136,736	K5JVF	576
	W0PCO	131,806	WB9BUV	204
Multi-Op. Single Trans.	K4GSU	1,601,024	WA5LES	1,013,320
	WA1NRV		W2YD	1,005,480
	W2GXD	1,222,800	WB2SQN	959,008
Multi-Op. Multi-Trans.	W3AU	3,623,116	W3GPE	2,556,180
	W2PV	3,339,215	W7SFA	2,057,442
	W3WJD	2,802,096	W3GM	1,741,165

Please, Please, Please

Stop breaking my heart. Stop recopying your logs. Every year I see log after log with 500 to 3,000 contacts recopied—by hand. It ain't necessary. Honest. Use carbon paper or make a photocopy. Rewrite any illegible calls in the margins. And drop it in the mail. The contest is supposed to be fun. And recopying logs ain't fun. You can better spend the time getting ready for the CQ 160 or ARRL DX Tests. Besides, recopying logs can introduce errors no matter how careful you are.

You also don't have to write down 59904 two thousand times. Just write in the variations. Same thing goes for your QSO points. And for country multipliers, just write in the prefix. Don't worry about how to spell Ecuador or Uruguay.

Over the past several years, the logs have been getting better and better. Frankly, we're delighted. And the credit is all yours. My suggestions are an attempt to make it even easier, for both of us.

And, please, don't wait until two weeks before the contest to send in for log sheets. That's when everybody else remembers. It makes for quite a crunch at the CQ office. We'd hate to disappoint you. Send in now. Or a month from now. But not the second week of October, please.

Your-Secret-Is-Safe-With-Me (cont.)

Seems a large unnamed Multi-Multi managed to work a member of the Contest Committee on two bands. And managed to log his call wrong—both times. As fate would have it, the particular member turned out to be the one who checked the Multi's log. And, which Committee member missed the contest completely because he thought it was always on Thanksgiving weekend?

What's It All Add Up To?

I thought you'd never ask. The 1974 CQ World-Wide DX Contest added up to exactly 467 lbs. of logs. I kept track. And that doesn't include approximately 500 USSR logs we always receive via sea mail. The Phone logs came in OK as usual, but we have yet to receive the c.w., and must conclude regrettably that they were lost in transit. If we do receive them, we will publish an addendum to the results.

Tnx, Tnx, Tnx

As you know, this was my baptism of fire at handling the Results. Fortunately, I had a lot of good people helping me. I can't thank them enough. But I can bring them back for an encore: our Chairman, Frank Anzalone, W1WY; regulars Gene Walsh, K2KUR; Bob Cox, K3EST; Bernie Welch, W8IMZ; Dave Donnelly, WB2SQN; and Dick Norton, W6DGH. And new Members Larry Weaver, W6JPH; Glen Rattmann, W6MAR; Jim Neiger, W6BHY; Phil Goetz, W6DQX; Larry Brockman, WA6EPQ and Fred Laun, W9SZR. And an extra big thank you to Marguerite Fagella at CQ.

Good luck with your antenna work over the summer. Just remember, if it didn't fall down last year, it probably isn't big enough.

The c.w. Contest is November 29th and 30th (Thanksgiving weekend, this year). And, if things go as planned, I hope to see you during the Phone weekend (October 25th & 26th) from CEØ. 73, Fred K6SSS, ex-W2IWC/6



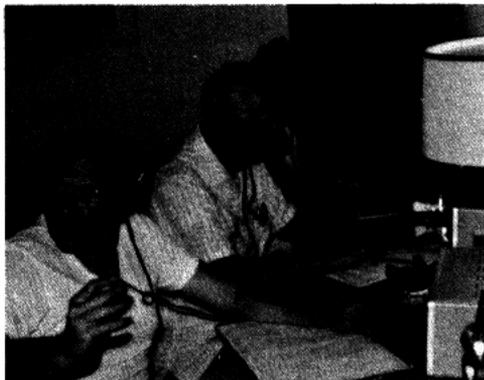
The FWØAA Multi-Single crew—exactly the way you'd picture a DX-pedition to a South Pacific island. That's WB6LTJ, K6RIR, K6YFZ.

DX QRM

Great thrill to turn up from 21 to 28 MHz. and after giving a long call on what appeared to be a completely dead band, have it explode on top of me . . . *ZLIAFW*. Changed QTH's. Hope to be ready for '75 . . . *ZL3GQ*. It's been a long time since we've had a serious bash at the contest . . . *VK5NO*. Have to put up a big beam for 40 next year . . . *JA2JW*. I slept too much during the contest . . . *JI1XID*. Sorry about my slow keying . . . *JA1JIX*. The conditions on 10 were poor . . . *JR1JIV*. 10 Meter band conditions were FB! . . . *JA7MZB*. Had some QSO's with East Coast USA stations for the first time! . . . *JR3PYW*. I worked YJ8GS and 5 other new countries, I am looking forward to the next one . . . *OK1FCA*. Was really surprised to hear many VK's on 28 MHz, even one ZL . . . *OK3EA*. Thank you for the fun and two new countries . . . *F2XW*. My first CQ WW DX entry, and I am certain it will not be the last . . . *G4DBW*. DX stations outside Europe should use 1.800-1.805 for TX and 1.825-1.830 for RX . . . *DJ4KW*. 1975 will be better! . . . *HA6NP*. CQ WW DX Contest should be an official championship of world and continents . . . *SP9DH*. Condx very poor at 60° North! . . . *SMSBHW*. Special portable QTH for CQ WW; 1244 meters high . . . *OK1IDK/P*. I heard many interesting stations on 1.8 MHz: VK6HD, OD5IQ, and 8Q6AG . . . *OK1ATP*. The Maiden Head and District Radio Club is awarding a trophy to its member making the best entry this year! Most enjoyable contest . . . *G3ZPK*. The British Airways Amateur Radio Group (G3NAF) hopes to make a real effort next year . . . *G3HZL*. Real thrill to work OX3AB short path on ten meters with all the W6, W7's calling . . . *ZL2ACP*. New bobtail gave better results than forty meter dipoles of past years . . . *ZE5JJ*. 160 opened several hours before sunset here but no stations were worked until five hours later. Guess no one listens for KH6 until later . . . *KH6CHC*. Wish those multi-op stations would run better check lists . . . *A9XU*. Luckily spotted openings to Europe on ten meters, both nights of the contest, which helped the multiplier total . . . *WB4KSE/KW6*. Working all bands with a monoband antenna is for the birds. After waiting four months, I received my new antenna one week after the Test . . . naturally . . . *KG6JAR*. Enjoyed all the QSO's, especially one with Brazil on 160 . . . *ZD7PS*. I apologize for so few contacts on 40-80 meters. Conditions were good but my "hotel" antennas were poor . . . *8Q6AH*. Enjoyed the Test as usual, but I'm nearing 62 and find that I cannot last more than a few hours at a time . . . *ZE5JO*. Copy is rough here due to splatter from a broadcast station only one quarter mile away from the shack . . . *9M2FK*. Although we had to barter for rice and coconuts for four days due to a local strike, we hung in there for the contest . . . *FW9AA*. Had power failure the first night so I arranged for emergency power to run rig the second night . . . *4X4NJ*. Very few USA stations heard here in Jakarta . . . *YB9ABV*. Twenty was blanketed with JA stations during the day, and conditions were rather poor at night . . . *BV2A*. Ten seems dead now but it opened up for the contest . . . *VU2JA*.



Operating high above Beirut, new Multi-Single champion OD5IQ scored just under 4 million. Congratulations to team OH2BH, OH2MM, OD5HC.



Third World high Multi-Single CT3WA expedition by Order of Boiled Owls, W2AO, W2AYJ, W2AX. Owls not caught by the camera K2JP, W2GC, W2GGE, W2IRV, WB2CKS.

Surprised with results on ten but eighty never warmed up . . . *KH6CF*. Enjoyed 239 QSO's with my completely homemade receiver and transmitter . . . *VU2JN*. Sorry for not working all who called, the S-9 noise level at times made it rough . . . *EL2FT*. Only worked the first 24 hours since I didn't know the rules, due to lack of publicity in our magazines here . . . *VK3MR*. Too many 599 reports received, I don't have that good a signal! . . . *SV8WTT*. Variable propagation conditions made this one hard work! . . . *9H1CH*. Condx fair, called CR6, ZS2, EL2, VK5 on ten mtrs . . . *HB9QA*. Lots of fun to operate as DX . . . *GC5AGA*. Good CNDX on 3.5 MHz . . . *YU3DBC*. My suggestion to you is to reverse the date for the Phone and CW portions each second year . . . *OZ1LO*. Biggest thrill was to catch WB4KSE/KW6 on 28 MHz when your not even able to work any YU! . . . *SM7EAN*. My linear amplifier went QRT, will be on next year with QRO! . . . *OK2RZ*. I will remember when I turned my beam to the north and KX6BB gave me a call, A new one for me! . . . *SM2DMU*. I worked my first W on 3.5 MHz, fun! The QRM was less fun, except on 28 MHz . . . *SM5EOS*. Very hard work with QRP! . . . *DM2CMF*. Forecast winds 9-10 gales. I abandoned QTH for shelter, returned Noon Monday, all ants, wrecked! . . . *G3GRL/P*. Made first Wales-South Pole QSO on 160 mtr, enjoyed giving many others a new country . . . *GW3VCB*. Better CNDX than last year! . . . *GM3ZRC*. Nine technical failures during first 20 hrs. Condx generally very poor . . . *OH3MG*. See you in the 1975 test! . . . *SP2KDT*. It was a great contest with a lot of activity and for once we did not suffer from any aurora effects! . . . *SK2DR*. Bands closed 2nd day—no 10 meter openings . . . *KL7HIK*. Was trying to work so many JA's that W6VNJ became JH4NJ . . . *KL7HNN*. Very pleasant setting a new Canadian record for 3.5 single-band . . . *VX1KE*. Sorry my time was so limited . . . *VE1EK*. Enjoyed working many of my old California friends in the 'test . . . *W6BYB/VE1*. The FT-101B packed it in at 0810 of the second day—had to fall back on the NCX-3 & do without 21 & 28 MHz. Have you ever tried to work a contest with a receiver without incremental tuning? . . . *VE3EJK*. Tough going with no Pacific stations and not enough time. Used to operate as 5H3LV . . . *VE3EUP*. Propagation better than in the phone portion, but not that many W's . . . *VE3BMV*. Band was in very good shape for the weekend and am really sorry wasn't able to work the first 5½ hours. Big help to 5B-DXCC . . . *VE3EDC*. Spent 0545-0805 calling Europeans (on 160)—guess I need a bigger antenna . . . *VE3GFY*. Thanks for another great test . . . *VE3ECP*. Not much coming thru on 10! . . . *VE3XU*. Using 2 watts r.f. Output . . . *ZFIJH*. Am thankful for all the contacts I got and will be pleased to QSL via K4VW (ex-W4CKB) . . . *T12BEV*. Most of the time running 10 watts due to BCI—max. power of 40 watts used for Hawaii and New Zealand contacts . . . *OX3AB*. Each year I am improving my score and enjoy the CQ DX Contest more, as it is presently the best contest on the amateur bands . . . *HRIAT*. My first contest ever—found the rules in Oct. 1971 CQ as my September '74 CQ hasn't arrived yet. Now to battle with the QSLs . . .

VP2LAW. This was my private contest expedition to St. Pierre. Most grateful to FP8AP for providing the wonderful ham shack and the TR4; Also to FP8FU and FP8CT who helped me to set up the antennas . . . FP8BG. Thanks very much for the contest. I enjoyed it very much . . . LU8BAO. The second day of the contest at my QTH very QRN—rainy, stormy . . . LU9FAN. Poor conditions make a 7 MHz single-band operation too tedious! . . . PY7AKQ/8. Too many other things this weekend to get serious so the amplifier was left off . . . HC1CW. Blew the linear's power transformer the first night (after using it for 10 minutes. Sunday morning, I blew one of my final tubes (no spares) and worked the last 14 hours with less than 100 watts (didn't want to blow the only 6DQ5 left). Also thanks to Murphy. I worked lots of weak sigs for several hours, till I noticed the 9 v. battery for my converter had gone down to 4 V! . . . CV8B. If no a.m. ham activity in 3501-3520 portion, could easily double score . . . CX9BT. Will be back next year. Ran into the test by pure accident. Thanks! . . . SM5LH/YV5. Local weather was just too nice to stay on the air all day. Spent several hours sightseeing . . . ZF1AL. Roger (KP4TIN) and Richard (F2QQ) joined me only 2 days before the contest. We erected a second 60 foot tower and put up 2 beams in one afternoon & were ready just in time. Wasted a lot of time on pile-ups too big to handle, but we're in practice for the next one. FY7AE lent us a R4B which had a filter, and it sure helped! My partners left the day after the contest . . . for them, it was a very short DXpedition . . . FY7AA (opr. F5QQ). I called Dial-A-Prop with direct dialing from Birmingham on Thursday for forecast—bang on! . . . G3HCT. Just moved to new QTH, the antenna just stuck in ground in the garden, many hours calling people and not being heard! . . . G3TXF. Where was Italy in the CW weekend!! . . . G4BVH. Activity restricted on 40 mtr due to local TV system in passband . . . G3ZQW. One should divide the contest into "input-classes" so low input stn's have better chances! . . . DK9FY. The most rare and surprising DX was 8QGAG on 160 mtrs. I heard him calling CQ and he came back on first call . . . DL1FF. I was very glad to work my first 4X4 on 160 mtr. I had a lot of fun on this band . . . DL6EN. Working new prefix CQ7IZ biggest thrill . . . DK4PH. Best wishes for all the crew for your heavy job in counting and verifying all logs! . . . Y07NA. Had to give up because of keyer failure the second day . . . HG5EA. No opening at all on 28MHz . . . OY6FRA. VY psed with 160 mtrs . . . EI1AA. Had to miss last year because of power crisis, nice to be back but the sunspots have sure sagged! . . . G3SSO. Our quad worked only on the first afternoon . . . HA9KPU. 7MHz fantastic opening into all continents! . . . DL9WU. MNI TKs for the very nice diplomas I have received from the WW DX Test . . . OZ7HT. Thanks to DX stations for their patience in establishing contacts . . . G3UKS. Condx were poor for DX on 7MHz but contest was FB . . . UBSTO. One of the more popular contests—congrats . . . IZFGP. One of my problems was that I was behind a mountain that cuts off lots of multipliers in Africa and South America, tried to change QTH's in middle of contest and got stuck in snow so had to return to original QTH . . . C31L. Lots of activity and fair conditions, but a definite absence of multipliers . . . CT2BN. Had to plan to work on 80 mtrs but my antenna was not ready in time. The weather was too bad, next year! . . . HB9KC. My first CW Contest . . . I3AWK. Planned to make it on 10 mtrs, but 10 seems quite dead so switched to 15 mtrs . . . I1EFC. I'll make another try next year . . . LB3B. Results could have been better, but have no aerial for 80 mtrs . . . OE6HZG. Nice to be back in my own small way, last time was from 9V1—It's easier there!! . . . GM3WRN. My first contest; enjoyed it, but fatigue biggest problem on 1.8 MHz—missed 6Y5BF . . . GM4AGG. Condx on 1.8 MHz VFB, had a ball working 4 new countries on 160, when 8QGAG called me I nearly jumped through the ceiling! . . . PA0HIP.

USA QRM

Why don't you supply cross-check logs? . . . K2FL. Annoyance is DX who fail to identify . . . W2HAE. Why wasn't anyone in the Novice bands? . . . WN2-QDP. Believe it or not, I got engaged this same weekend . . . W3HBJ. Sure wish DX stations signed their calls more often . . . K4GFH. Except for 160 meters, all QSO's were with five watts . . . W4WHK. Would prefer an earlier contest date . . . W0IUB. I sure enjoy the CQWW DX contest. Keep them coming! . . . W0PCO. Was great working several new countries including the Maldives . . . WA7FAB. Turn on zones 2, 6, 34 next year for 20 CW . . . W3AFM. Quite sur-

WORLD TOP SCORES

Single-Op All Band	KH6RS	2,738,904	K3YUA	1,100,924
	YJ8GS	1,213,086	KH61J	1,028,146
	V55MC	1,146,964	KP4DPN	
	A9XU	1,134,864		1,027,812
	W1BGD/2		WA1PID	1,027,424
		1,133,847	WB4YLG	1,010,330

Single-Op Single Band	28 MHz		7 MHz	
	WB4KSE/KW6		ZL1AMO	174,867
		207,662	WB5DXT	156,960
	CV8B	165,675	WA8ZDF	146,792
	WA8UW/4X4		PY7AKQ/8	
		47,215		137,112
	ZL2ACP	30,432	VE3BMV	103,017
	11BAY	24,381	K2LWR	113,080
	YU3ER	14,839		

Single-Op Single Band	21 MHz		3.5 MHz	
	CR60Z	292,020	YU3DBC	135,408
	W4KFC	161,880	UB5G1	112,674
	W4WSF	133,380	W3MFW	71,874
	OH2BCP	126,540	VX1KE	70,311
	W2NIN	118,770	OH1XK	65,920
	W6YRA	117,852	W4YHD	63,518

Multi-Op. Single Trans.	14 MHz		1.8 MHz	
	CR61K	925,386	PA0HIP	12,704
	G3HCT	300,978	GM4AGG	11,118
	DL0PG	267,344	K1PBW	9,750
	K6SDR	223,560	G4DBEG	8,760
	OZ5DX	191,180	WB8APY	7,626
	W4AAV	181,630	GM3AOR	6,336

Multi-Op. Multi Trans.	OD5IQ	3,970,912	KP4EAJ	2,683,525
	FY7AA	3,750,121	4M5ANT	
	CT3WA	3,003,196		2,090,556
			LU8DQ	1,705,788

Multi-Op. Multi Trans.	PJ9JT	9,753,500	W3WJD	2,802,096
	W3AU	3,623,116	W3GPE	2,556,180
	W2PV	3,339,215	6Y5BF	2,403,156

prised that an inverted vee can work so well, but never again without a beam . . . WA2UJM. Extremely heavy thunder storms Saturday night and Sunday morning held score down . . . W5QKR. Great fun with flea power . . . WA3SZI. Was running a long string of JA's toward the end of the contest. Was quite surprised when YB0ABV called me in the pileup!! . . . W6BJH. Hardest country to work was U.S.A.—another U.S. station doesn't want to work another U.S. station . . . K9UQN. Boy! What a waste of scarce energy! Hi . . . K3DR. First CQ DX contest . . . WA7VZX. I was only able to be home and on the air for about 10 minutes in this one. You can use it to check against the other logs . . . WB0AD/1. Forty meters is fun with stacked beams! . . . WB5DXT (Opr. W5BJA). How sweet it is! 45 JA' on 7 MHz wish I could have operated whole contest . . . K2LWR. As usual, this is the best DX contest for a single op, single band CW man. Thanks for the fun! . . . W6ILP. Where was Europe? CTI-EA-DM-G-GC-GI-GM-HB9-LA-LZ-OE-ON-OZ-PA-UR-UQ-U05-SV-YO? ? ? The only Europeans here were YU-YU-YU-YU and YU's!! —4U1TU makes the 181 country on 40m hr . . . WB5DIZ. Ten meter conditions were probably better than most of the scores will indicate. The band was open much of the time without many signals coming through. Could have used more activity! Also, tell W3ASK his Dial-A-Prop was right on the nose again. Good show, George! . . . K2QBW. Activity on 10m, seemed down—many hours of just hearing the same 10 DX stations! . . . WA4DRU. Many thanks to the dedicated log checkers! . . . W4KFC. Surprised to work K6GDH long path in the early morning local time. I think it's more fun being stateside. Heavy line noise hurt my score . . . K4PHY. The 15-meter band finally opened to Japan the next to the last hour of the contest . . . WA8KCX. Propagation seemed pretty fair on this band (15) but I think there could have been more participation by DX stations . . . WA1NKK/1. It is most frustrating to listen to the East Coast and Midwest work Europe for hours when the West Coast had no opening either morning! . . . K8GJD/6. The only Europeans I heard Sunday, called me, one after another! . . . WA7DZ/7. Conditions not fantastic, but lots of fun! . . . W2NVB. This was my first CQ WW DX contest. It sure was fun! My FT101-B and

[Continued on page 67]

Number groups after call letters denotes following: Band, (A-all) Final Score, Number of QSOs, Zones and Countries. Certificate winners are listed Bold Face.

"SINGLE OPERATOR ALL BAND NORTH AMERICA UNITED STATES"

WA1PID
A 1,027,424 926 110 278
 (opr. KODQI)
W1BPW " 769,332 744 110 256
W1PL " 407,690 503 95 200
WA1NZT " 178,849 292 76 153
WA1LXK " 108,035 253 55 100
WA1SXC " 47,517 146 53 88
WA1QNF " 35,454 124 41 73
WA1FBX " 33,920 120 33 73
W1LV " 23,956 87 38 68
W1GPK " 19,700 77 42 58
W1CNU " 13,452 58 30 46
W1OJF " 9,735 63 20 35
K4JAT/1 " 8,700 58 28 47
W1OR " 8,000 46 24 40
W1PLJ " 3,626 36 12 25
WA1QBH " 532 10 9 10
K1LW1 **28** 6,625 56 21 32
K1IHK " 240 9 6 7
W1PIV1 **21** 100,584 350 26 73
WA1NKC/1 " 68,288 247 25 72
WA1FCN " 820 16 8 12
K1FEB **14** 87,885 290 32 73
K1HVV " 77,697 299 26 63
WA1SKV " 29,638 142 20 53
W9DAD/1 " 45 3 2 3
K1NLD **7** 58,580 206 27 74
W1WAI " 23,331 113 24 53
W1CWM " 2,960 30 12 25
W1SWX **3.5** 703 16 7 12
K1PWB **1.8** 9,750 94 14 25
W1BB " 6,279 59 13 26

WB1GD/2
A 1,133,847 936 125 304
W2DXL " 816,120 793 104 256
K2TQC " 566,544 647 96 223
K2FL " 172,516 272 81 155
W2FVS " 117,414 225 70 128
W2MCP " 109,040 261 49 96
W2HND " 107,748 244 57 107
W2HO " 98,952 190 62 124
W2AZWH " 90,210 213 56 99
W2ABLW " 89,628 237 48 84
W2HEU " 86,673 196 54 113
W2UL " 80,676 195 57 105
W2LYL " 70,022 166 60 97
K2MFY " 57,018 173 45 84
K2ZER " 44,880 147 35 75
W2AZO " 44,064 107 57 96
K2AU " 43,125 132 43 72
WB2HZH " 37,286 139 36 67
W2HAE " 35,960 114 44 72
K2JOC " 31,234 119 37 60
W2ADLV " 28,050 107 36 66
W2HL " 17,458 74 32 54
W2CVW " 16,076 68 31 57
W2ACXQ " 9,880 50 31 45
WB2ZWA " 9,513 61 27 36
W2MB " 5,096 38 20 32
WN2QDP " 1,590 30 14 16
K2QBW **28** 8,639 68 18 35
WB2NDR " 1,404 26 10 16
W2ZNI **21** 118,770 384 27 80
W2AZHR " 39,396 166 23 61
W2NVB " 24,500 151 19 38
 (Opr. W2ACOS)
WN2SIG " 21,024 154 14 34
K2FE " 11,450 80 17 33
W2AZUM " 9,823 75 15 32
W2AZUM **14** 82,080 269 28 80
K2GI " 14,504 89 15 41
W2EJU " 8,460 67 13 34
K2LWR **7** 113,080 355 31 79
 (Opr. W2AZBK)
K2TXC **3.5** 9,911 70 15 38
W2AZUB " 1,586 25 8 18
K3UYA **A** 1,100,924 1001 110 272
W3LPL " 858,484 835 108 250
 (Opr. W9SZR)

K3GJD " 790,362 812 107 235
K3CY " 736,848 724 105 252
W3GRF " 667,212 691 102 236
W3BGN " 544,180 602 99 223
W3VT " 539,068 606 106 240
W3QOR " 447,903 518 105 208
W3N7 " 329,184 421 89 199
W3OV " 297,216 413 84 174
W3MFL " 230,928 417 52 152
W3XW " 219,830 329 83 164
W3KFO " 206,848 459 79 123
K3BW " 201,600 322 67 158
W3GRS " 166,656 276 70 154
W3FT " 160,908 277 71 141
K3WA " 140,180 250 75 140
W3HBJ " 116,171 235 56 123
W3BB " 111,375 235 57 108
W3ARK " 98,527 215 58 111
K3AV " 97,230 169 72 138
W3ALB " 80,080 162 62 114
K3TGM " 65,262 166 48 98
W3RZJ " 53,793 135 48 91
W3ABJ " 49,590 131 57 89
W3KV " 43,310 118 36 86
W3GHW " 35,375 106 49 76
WA3PAT " 30,186 102 44 73
W3CGS " 21,004 84 33 56
W3HVM " 17,850 68 34 52
WA3EPB " 14,448 65 34 58
 (Opr. W3EVM)
WA3DMH " 7,482 54 19 39
W3CBF " 3,128 31 12 22
W3DRJ " 1,128 20 9 15
W3EVM " 425 9 8 9
W3ZSR **21** 66,402 227 28 74
WA3OSJ " 1,392 20 9 15
W3AFM **14** 85,422 221 34 104
K3*G1 " 84,672 259 34 78
WA3DBT " 54,055 201 26 69
WA3SZ1 " 32,589 160 20 51
K3DZ " 2,480 41 16 24
W3RZT **7** 19,390 103 21 49
W3MFW **3.5** 71,874 275 26 73
WA3AFQ " 13,524 108 13 36
W3CRE " 1,276 26 8 14
W3IN **1.8** 3,914 43 14 24

WB4YLG
A 1,010,330 1002 103 252
K4YF " 873,072 892 107 237
WB4BGCY " 803,586 782 106 255
W4YWX " 763,224 716 124 268
K4PQL " 604,836 692 100 217
WB4AEX " 529,210 658 94 189
K4DBZ " 509,507 634 92 197
W4KXV " 442,080 515 98 209
K4TBN " 367,444 433 95 213
W4MYA " 236,302 347 86 167
W4EZ " 195,858 297 77 157
W4DM " 175,029 305 71 140
WB4OGW " 171,600 291 71 149
K4MCF/4 " 144,900 255 71 136
K4HWW " 107,937 227 62 117
K4DOD " 102,528 221 62 116
WB4ARU " 86,800 171 77 123
W4BAA " 85,995 167 76 119
K4GFM " 69,913 172 52 99
W4YZC " 63,342 143 55 107
K4ND " 62,776 143 58 94
K4JMJ " 59,094 145 58 89
W4DFU " 58,880 235 47 81
 (Opr. WA4GAJ)
WA4BTO " 56,242 185 45 77
WB4FOT " 50,806 142 54 79
K4*7A " 49,319 128 54 95
K4KA " 40,467 119 55 86
W4GF " 39,798 112 49 85
W4ORT " 33,920 103 51 77
WA4MSU " 30,264 112 37 60
W4HOS " 29,040 100 41 69
W4JHK " 28,600 101 34 66
K4BAI " 23,808 92 39 57
K4UAL " 21,120 82 34 62
W4ZSH " 16,112 81 26 50
W4WHK " 9,039 52 30 39
K4MYT " 8,378 48 31 40
K4EJG " 6,490 42 25 34
W4ZTB " 5,841 35 27 32
W4OQG " 864 29 12 12
WB4UYD **28** 7,650 69 17 33
WB4DRU " 7,399 64 17 32
W4EEC " 1,827 22 11 18

K4TWJ " 510 15 7 10
W4KFC **21** 161,880 489 27 87
W4WFS " 133,380 433 29 79
K4PHY " 106,106 352 28 78
WA4OSM " 10,696 66 18 38
W4AAV **14** 181,630 453 36 99
K4JWD " 4,056 39 16 23
W4JUK " 1,725 24 11 14
W4GCK/4 **7** 31,914 154 24 57
W4QQN " 25,956 146 21 42
W4AAPG " 8,930 76 17 30
W4YHD **3.5** 63,518 256 22 69
K4CSR " 43,600 200 18 62
W4KTR **A** 195,083 327 84 133
K5ZJP " 144,837 261 85 124
W5OB " 107,365 214 77 120
W5OSJ " 66,297 179 60 87
W5PAQ " 52,540 142 58 84
W5SHOD " 37,752 136 53 68
W5HIC " 32,385 99 52 75
W5UO " 30,940 103 52 78
W5VDH " 24,072 99 46 56
W5BE " 23,490 97 38 49
K5BLF " 20,485 88 35 50
K5FTG " 11,627 61 33 44
W5TPO " 10,404 51 28 40
W5LPO " 8,584 54 26 32
K5PFL " 6,649 43 28 33
W5FTF/5 " 3,900 38 17 22
K5YMY " 2,294 31 18 19
W5SSD " 285 8 7 8
K5LZJ " 90 6 5 4
W5RSTG **28** 9,000 86 16 34
W5ASTI " 7,392 66 16 32
K5AAB **21** 57,855 221 28 67
W5ZNY **14** 99,800 350 29 71
W5QKR " 77,871 298 31 70
 (Opr. W5AYMW)
K5KSI " 57,630 198 31 71
W5SDTX **7** 156,960 563 28 68
 (Opr. W5BJA)
W5SDIZ " 61,542 274 28 50
W5WQZ " 33,150 154 25 53
W5LUJ **3.5** 17,751 111 19 42
W5RQT " 13,104 109 19 29
K5JVF **1.8** 576 16 8 10

W6RR " 904,096 1,051 113 191
K6UA " 804,340 911 121 186
 (Opr. W6BHY)
W6PLH " 712,954 961 101 152
W6MAR " 693,714 965 98 151
K6OVJ " 672,221 920 94 159
W6OKK " 398,772 660 82 130
W6GKZ1 " 381,175 680 72 121
W6DQX " 315,768 499 90 133
W6HJP " 294,372 475 87 135
W6BIP " 242,385 444 82 113
W6EJVD " 222,968 420 76 112
W6EYF " 217,562 435 80 101
K6DOR " 217,516 396 82 106
W6*7E " 163,012 353 74 92
W6NKR " 136,528 261 72 112
K6AYA " 130,432 326 55 73
K6UJS " 90,288 259 60 72
W6GFFY " 77,550 299 45 49
 (Opr. W6GEXW)
K6OC " 56,875 154 49 76
W6RNF " 55,176 165 50 71
K6WCS " 54,144 144 64 80
W6AM " 51,220 152 58 72
K6DPX/6 " 44,110 139 51 59
G3VYQ/6 " 37,525 140 47 48
W6ELP " 35,547 109 52 71
W6PRP " 25,704 88 45 63
W6KYA " 23,604 102 38 46
W6BZHD " 22,468 96 37 45
W6CLM " 21,150 108 35 40
W6SSC " 16,576 90 27 37
W6GUFY " 12,888 79 31 30
W6RQZ " 8,600 57 21 35
W6GJ " 6,608 40 23 36
K6QPH " 6,025 45 27 28
W6ODWM " 5,920 52 18 22
W6YKS " 5,824 40 24 32
W6GBY " 4,544 49 15 17
W6GOR/6 " 4,410 43 22 20
W6HJ " 2,378 28 13 16
W6EJA " 1,349 24 9 10
K5MHG/6 " 72 4 4 4
W6HX **28** 7,954 74 14 27

W6YRA **21** 117,852 483 29 55
 (Opr. W6ABP)
K6JGD/6 " 57,201 288 24 45
W6M1 " 5,671 40 22 31
W6M1 " 3,456 40 13 19
K6SDR **14** 223,560 660 37 85
W6BKBK " 124,080 394 33 77
K6AO " 75,429 324 28 59
W6BJH " 47,795 212 28 51
W6FF " 14,986 96 23 36
W6BYH " 156 13 5 7
W6ITY **7** 112,963 466 29 54
W61P1 " 70,500 321 25 50
K6OZL " 60,672 265 30 42
W6GAHF " 34,398 243 20 25
 (Opr. W6APKM)
K6TZX " 1,311 22 10 13
W6NLZ **3.5** 21,168 138 20 34
VE3DXV/W6 " 18,327 165 17 24
K6NA " 7,449 75 15 24
W7MR **A** 996,975 807 129 226
K3MNT/7 596,700 1060 80 115
W7TML " 543,840 831 91 134
W91RH/7 " 517,532 829 84 149
W7WMY " 195,454 430 71 90
W7YBX " 111,622 294 56 78
W7LZF " 95,408 259 56 78
W7AUG " 89,728 289 56 63
W7AUNU " 58,387 158 55 78
W7A7JCB " 42,804 175 38 49
W7MCU " 21,412 83 47 54
W7LR " 15,879 74 34 45
W7FL " 10,990 57 24 46
K7EFB " 702 20 7 6
K7MOK " 480 15 6 6
W7YRO **21** 50,740 300 22 37
WA7TDZ/7 " 33,443 220 22 31
W7AYY " 29,232 166 25 38
W7FAB **14** 86,933 385 26 51
K7RSC " 37,940 372 13 22
W7AVXZ " 2,310 40 10 11
W7JZU **7** 51,900 302 22 38
W7KAR **3.5** 18,920 161 17 26
W7JLU " 11,880 151 13 17
W7VTN " 11,305 122 14 21
WA7OJA **1.8** 81 11 5 4
W8LAE **A** 285,033 388 93 184
WA8TBQ " 258,741 382 76 183
K8LUU " 80,270 249 36 79
W8K2U " 64,824 156 55 93
W8SDO " 50,673 143 46 81
W8ASAW " 46,340 134 53 87
W8WNU " 23,220 97 45 63
W3GN/8 " 16,274 75 46 57
W8TWA " 12,246 60 30 48
W8BDO " 12,089 60 30 47
K8ROYG " 480 15 7 8
W8SHVD **28** 1,218 22 12 17
W8ACKX **21** 91,008 327 25 71
K8HFL **14** 162,750 474 35 83
W8ZDF **7** 146,792 448 30 88
 (Opr. K8HRL)
W8CNL " 3,366 37 13 21
W8BEU **3.5** 4,060 50 14 21
W8BAPH **1.8** 7,626 89 13 28
W9LT **A** 536,607 606 111 216
W9RER " 454,197 543 98 205
K9KDI " 431,750 493 106 208
W9RX " 243,535 346 93 172
W9LF " 182,055 299 79 150
K9UWA " 150,792 311 73 110
W9PJT " 141,360 323 71 119
W9DWM " 107,858 199 67 132
W9RQW " 84,906 175 67 111
W9J1 " 80,282 199 54 83
K9UKM " 75,650 165 63 115
W9YYQ " 70,550 166 70 100
W9WYB " 62,440 149 59 101
W9SFR " 55,942 123 65 103
W9ABWY " 32,750 116 52 73
W9OEQ " 16,200 75 32 49
W9QWM " 9,282 56 32 46
K9*MMR " 4,737 48 20 26
K9M4F **28** 1,624 133 12 28
W9LKI **21** 24,820 129 22 46
W9BFRG " 24,411 113 24 55
W90HM " 8,428 61 17 32
W9N9ME " 836 16 7 12
W9KNI **14** 136,736 383 35 91
W9R1HI " 75,428 252 34 75

BAND-BY-BAND BREAKDOWN — TOP ALL BAND SCORES

Number groups indicate: QSO's/Zones/Countries on each band.

WORLD TOP SINGLE OPERATOR — ALL BAND

Station	1.8	3.8	7	14	21	28
KH6RS	19/ 5/ 4	361/15/19	709/28/37	760/34/ 59	904/27/35	404/14/17
YJ8GS	43/ 8/ 9	106/12/13	371/24/ 44	438/28/47	270/22/33	
V55MC	53/ 8/ 11	126/16/17	603/30/ 60	479/23/43	164/19/11	
AX9U	83/ 8/ 22	128/11/33	382/25/ 60	473/19/61	200/17/35	
W1BGD/2	118/17/50	189/28/69	300/34/ 82	283/29/69	46/19/34	
K3YUA	108/11/41	209/22/62	361/32/ 74	296/24/68	27/15/21	
KH8J	37/ 5/ 3	64/11/10	172/31/17	178/27/ 45	64/21/23	113/12/14
KP4DP	182/14/37	507/18/42	406/26/ 51	279/19/47	124/12/16	
WA1PID	68/14/ 9	95/10/15	365/33/ 84	379/28/76	32/16/26	
WB4YLG	63/14/34	220/20/58	320/32/ 75	370/22/64	24/11/17	

USA TOP SINGLE OPERATOR — ALL BAND

Station	1.8	3.8	7	14	21	28
W1BGD/2	118/17/50	189/28/69	300/34/ 82	283/29/69	46/19/34	
K3YUA	108/11/41	209/22/62	361/32/ 74	296/24/68	27/15/21	
WA1PID	62/14/ 9	98/10/15	366/33/ 84	379/28/76	32/16/26	
WB4YLG	63/14/34	220/20/58	320/32/ 75	370/22/64	24/11/17	
W6RR	67/14/18	236/24/34	348/34/ 60	329/24/36	68/17/31	
K4YF	2/ 2/ 2	56/18/29	137/42/40	328/31/ 74	328/23/67	41/12/21
W3LPL	12/11/46	151/23/56	306/34/ 81	230/26/57	19/ 9/10	
W2DXL	9/ 16/ 1	300/13/55	214/29/ 67	312/24/68	37/14/26	
K8UA	10/ 8/ 8	85/19/28	368/26/40	188/31/ 55	232/24/34	38/13/23
WB4BGY	106/18/52	146/20/46	320/31/ 75	181/23/54	31/14/25	

WORLD TOP MULTI-OPERATOR — SINGLE TRANSMITTER

Station	1.8	3.8	7	14	21	28
OD5IO	33/ 7/14	328/12/50	660/24/71	777/31/ 86	793/28/72	377/18/51
FY7AA	19/ 5/ 6	117/13/33	627/19/56	1137/32/ 82	1033/28/78	275/22/34
CT3WA	46/13/35	955/20/60	602/27/ 71	711/32/109	57/14/24	
KF4EJ	22/ 5/ 6	229/13/95	452/19/46	797/30/ 77	1068/27/73	323/18/20
4MSANT	11/ 4/ 6	144/12/31	343/18/46	804/30/ 61	487/25/54	145/14/19
LUBDQ	8/ 5/ 3	46/11/17	108/13/19	747/29/ 63	814/27/68	247/16/23

USA TOP MULTI-OPERATOR — SINGLE TRANSMITTER

Station	1.8	3.8	7	14	21	28
K4GSU	11/ 7/ 7	106/21/55	368/28/83	406/36/ 88	232/25/71	47/18/34
WA1NRV	4/ 2/ 2	126/18/47	132/20/52	408/30/ 82	379/25/78	26/16/25
W2KGD	2/ 2/ 2	76/15/37	115/25/59	391/32/ 82	367/24/69	41/14/23
W4ELS	11/ 7/ 13	17/13/16	518/28/56	183/32/ 56	321/26/67	36/14/23
W2YD	7/ 3/ 4	133/17/48	156/21/62	367/31/ 60	273/23/58	24/13/18
WB2SQN	72/14/34	106/21/54	336/32/ 82	372/25/73	26/13/21	

WORLD TOP MULTI-OPERATOR — MULTI-TRANSMITTER

Station	1.8	3.8	7	14	21	28
PJ0JT	56/ 8/ 9	522/17/46	1332/23/70	2408/36/113	1438/34/87	820/19/38
W3AU	44/14/24	244/21/66	424/33/97	763/38/111	575/28/86	84/21/44
W2VP	58/ 9/19	211/22/62	419/32/94	736/37/106	618/28/100	110/20/40
W3WJD	26/ 7/ 7	252/22/66	252/28/81	726/36/107	589/27/86	77/19/37
W3PE	18/ 7/ 7	189/21/56	423/28/68	850/30/ 61	487/25/54	78/19/36
GY5BF	122/ 7/11	407/ 9/14	893/18/43	902/28/ 57	1008/20/47	533/13/27

USA TOP MULTI-OPERATOR — MULTI-TRANSMITTER

Station	1.8	3.8	7	14	21	28
W3AU	44/14/24	244/21/66	424/33/97	763/38/111	575/28/86	84/21/44
W2VP	58/ 9/19	211/22/62	419/32/94	736/37/106	618/28/100	110/20/40
W3WJD	26/ 7/ 7	252/22/66	252/28/81	726/36/107	589/27/86	77/19/37
W3PE	18/ 7/ 7	189/21/56	423/28/68	850/30/ 61	487/25/54	78/19/36
W7SFA	31/ 8/ 8	217/18/51	553/31/58	686/36/ 83	384/31/50	84/13/24
W3GM	28/12/19	141/19/52	246/30/78	472/32/ 88	344/25/73	56/18/33

DJ5GG	99,912	302	57	127	OH5MJ	27,178	132	30	77	DM4YEL	13,851	68	36	45	HA1SN	3,840	102	7	25		
DJ3XK	94,221	311	53	118	OH2BHG	21,931	169	26	65	DM2AMK	11,692	103	23	56	HA5HS	7	39,770	298	21	61	
DL9TJ	93,141	330	38	93	OH2BCV	21,576	69	53	63	DM2CHM	10,660	55	34	48	HA1SB	12,291	200	11	40		
DJ6YZ	92,325	411	45	110	OH7QQ	17,136	88	32	69	DM3SBM	4,264	53	14	38	HA2KSC	12,224	146	15	49		
DL8AN	90,876	236	55	117	OH3TA	15,288	128	27	51	DM3WJM	3,999	55	16	27	HA3KNA	3.5	41,218	586	13	50	
DL2JO	85,824	313	46	103	OH9TD	5,796	60	17	46	DM2CRJ	3,960	84	11	34	HA1YI	40,299	587	12	45		
DL1ES	76,066	346	34	112	OH7SQ	3,337	71	16	31	DM2AHE	3,082	53	15	31	HA4XT	36,992	482	13	51		
DL1GN	66,736	248	50	122	OH4SF	1,386	20	15	18	DM2ACL	2,440	41	15	25	HA9PG	22,540	426	11	38		
DK5JA	57,510	198	40	95	OH2BMP	208	9	8	8	DM2BUB	2,379	54	10	29	HA3PT	9,720	247	6	34		
DL7LV	46,512	180	53	91	OH3XJ	21				DM3ZBE	1,976	47	13	15	HA1TI	8,505	241	6	29		
DK8KD	42,350	251	30	80	OH2BCP	21	126,540	526	31	DM2CJJ	1,500	22	14	26	HA1YZE	4,205	154	5	24		
DJ9XT	42,504	140	53	85	OH4SL	62,790	334	25	66	DM2DUK	7,020	74	17	35	HA1TO	3,660	129	5	25		
DJ6SI	38,808	216	36	90	OH2BNC	28,336	155	27	61	DM2DEK/A	54	3	3	3	HA7LS	1,054	63	4	13		
DL8BU	36,750	188	33	72	OH8ND	14,840	169	17	39	DM2AYK	24	2	2	2	Iceland						
DK1DB	36,504	204	35	89	OH2BPC	8,640	68	18	42	DM2CEK/DM4NFM	24	2	2	2	TF3AX	A	8,814	123	11	28	
DL8IG	36,050	166	31	72	OH2BCD	3,000	57	10	20	DM2ZCJ	11,748	110	15	29	TF3IRA	14	2,725	64	8	17	
DK8KC	24,900	154	29	54	OH6UM	819	29	6	15	DM2ZKH	11,394	77	20	34	TF3AC						
DL6BK	19,491	182	23	66	OH6JW	312	16	6	7	DM3UE	1,730	35	15	20	TF3KB						
DK7GL	17,722	101	37	69	OH7UJ	12	3	2	2	DM2ZD	1,512	38	7	7	Ile of Man						
DL8UF	16,965	141	16	49	OH3PE	14	30,180	329	17	DM2DIL	1,258	55	4	4	GD4BEG	1.8	8,760	243	8	22	
DK4EX	16,660	139	21	49	OH2ML	27,968	221	21	43	DM4ZFM/A	1,288	55	4	4	Italy						
DJ1LD	13,300	94	28	48	OH2BL	20,160	259	13	43	DM2BML	1,218	42	13	16	IC8CQF	A	125,022	422	42	92	
DJ5QK	9,715	104	19	49	OH6MM	17,995	200	16	45	DM3PCK	14,891	160	19	46	11BAY	28	24,381	157	27	54	
DJ8VO	6,864	76	16	23	OH7QU	9,555	144	11	38	DM2FBL	10,736	130	18	43	13AWK	21	4,480	69	12	20	
DK5NV	1,980	34	11	11	OH2BOQ	5,295	367	22	61	DM3FDO	10,720	89	19	48	11EFC		2,860	64	9	17	
DL1ND	500				OH5HS	34,340	264	23	62	DM2CHN	5,781	111	10	31	13FDZ	14	22,479	243	16	43	
DK7MY	28	1,984	28	12	OH6ZH	15,611	137	18	49	DM3XUE/A	3,564	40	16	28	12FGP		22,330	139	24	46	
DK5YK	21	99,283	393	30	OH2PFC	7,020	107	12	40	DM2CYE	1,768	52	7	20	12NDN		1,566	51	7	20	
DL1KS	6,528	50	20	28	OH6RC	800	41	4	16	DM3CF	228	7	6	6	13ILD	7	51,100	436	22	63	
DL1TH	2,919	57	7	14	OH5ML	65,920	602	19	16	DM2FLL	7	11,250	194	10	14	12BVS		18,336	327	9	39
DF1QQ	2,047	42	11	12	OH1TN	28,490	308	17	53	DM2CCE	760	40	5	40	11SOP		4,970	94	8	27	
DJ5SN	14				OH3XT	27,403	297	15	52	DM2CXE	578	22	5	12	15MPN		3,132	61	9	27	
DL0PG	267,344	913	33	91	OH6LB	4,040	82	6	34	DM2FDM	540	72	5	18	Jersey						
DL8CM	150,998	623	28	75	OH7UB	4,004	131	5	23	DM2AOM/A	432	32	3	11	GC5AGA	A	162,810	524	47	115	
DJ7JR	61,304	286	26	71	OH1LU	315	13	4	11	DM4SL	3.5	3,969	150	4	23						
DJ5WM	40,836	237	24	58	OH4TH	208	15	4	9	DM4SHJ	2,454	123	6	28	81CHC	21	88,504	497	25	67	
DJ7PT	35,422	118	2																		

LA9H	"	273	22	4	9	SP9HXN/8	"	2,436	81	5	24	SM6TW	7	31,176	307	17	55	KH6IGC	14	117,734	470	33	53			
LA4CN	14	9,594	181	8	37	SP6FEK	"	1,932	65	5	23	SM5EQW	3.5	3,335	105	6	23	KH6JJA	"	21,320	193	17	24			
LA4PQ	"	9,240	160	10	23	SP6EQZ	"	1,748	73	5	18	Switzerland				KH6IAC	"	4,485	115	7	6					
LB1D	"	9,239	151	12	35	SP9FQK	"	1,612	57	6	20	BH9QA	A	95,632	351	50	122	KH6HSW	7	59,192	417	19	30			
LB8EK	"	8,906	81	21	40	SP7DQK	"	1,364	63	5	17	BH9ALQ	"	78,720	311	45	115	KH6CHC	1.8	891	33	5	4			
LA6NI	"	5,320	80	12	28	SQ6KB	"	1,342	63	4	18	BH9DX	21	7,540	55	20	38	Indonesia								
LA6U	7	8,415	119	11	40	SP2110	"	1,207	72	5	12	BH9KC	7	3,854	66	8	33	YB9ABV	A	65,653	216	44	69			
Poland						SQ6UK	"	1,128	47	4	20	Ukraine S.S.R.				KX6BB	14	22,491	168	24	25					
SP9BPF	A	227,470	612	61	169	SP5GOR	"	1,012	44	5	18	UB5VK	A	12,852	129	19	49	Marshall Islands								
SQ9ABE	"	171,648	517	58	134	SP9HVN	"	247	20	3	10	UB5QT	7	18,972	218	16	43	New Caledonia								
SQ8EDQ	"	105,924	293	47	135	SP4HXX	"	238	16	4	10	UB5CI	3.5	112,674	864	22	67	FK8BV	A	143,276	428	56	63			
SP8EMO	"	82,636	386	38	108	SP2HYO	"	238	15	5	9	Wales				YJ8GS	A	1,213,086	1,726	92	146					
SQ9BDQ	"	79,820	266	44	127	Portugal						GW3SYL	A	105,504	375	49	108	New Zealand								
SP7CTY	"	74,646	278	53	121	7	24,516	274	12	42	GW3KNS	1.8	552	47	2	10	ZL3GG	A	911,760	1,209	97	165				
SP9AGS	"	54,094	232	33	89	Romania						YU2CDS	A	753,651	1,050	95	214	ZL1AFW	"	374,421	928	59	78			
SP5AFL	"	48,544	235	42	106	YO7DL	A	132,765	514	39	128	(Op. YU2RNE)				ZL2AKW	"	3,700	36	15	22					
SQ1AFU	"	42,408	245	33	99	YO6APP	"	39,663	294	26	87	YU2OB	"	312,320	667	66	190	ZL2ACP	28	30,432	221	18	30			
SQ2KQF	"	40,020	191	35	80	YO9APJ	"	31,812	148	45	97	YU1NGO	"	114,631	393	48	139	ZL1IAMM	21	89,756	413	24	52			
(Op. SP2HGG)						YO2ARV	"	28,452	280	19	67	YU3ER	28	14,839	95	23	48	ZL1AMO	7	174,867	770	25	52			
SP1BHX	"	28,644	118	44	82	YO2KCB	"	20,793	131	22	65	YU2RKC	"	3,459	36	15	24	Tasmania								
SP9NH	"	26,481	200	20	77	YO2QY	"	5,335	45	24	31	YU1EJM	21	57,964	316	24	62	Brazil								
SQ7CKF	"	25,668	238	23	69	YO6KDL	"	5,028	128	10	30	(Op. YU10FT)				LU3EZ	A	119,880	301	50	85					
SQ2A0B	"	21,830	73	52	66	YO7IY	"	4,987	89	15	44	UW3EH	A	42,602	223	31	88	LU8BAO	"	58,800	202	42	63			
SP9FTK	"	20,979	327	10	53	YO7BGA	"	3,034	80	9	28	UA1DF	"	1,542	34	19	27	LU9FAN	14	149,283	521	32	65			
SQ7EUS	"	17,459	205	15	64	YO2BIN	"	1,682	56	8	21	OCEANIA				CP1EU	A	159,016	381	58	85					
SP9DWT	"	17,328	185	20	56	YO8GF	"	754	23	9	17	American Samoa				PY2AOR	A	152	8	4	4					
SQ9AWT	"	16,038	141	25	56	YO3JW	28	2,304	31	13	19	KS6DH	A	399,317	747	83	110	PY2FYG	"	90	5	5	5			
SQ8ASP	"	14,076	145	18	50	YO8AHL	21	11,229	95	21	36	VK2GW	A	458,344	859	65	119	PT2CJ	14	21,267	145	16	35			
SP1FIC	"	13,530	144	17	65	YO3AC	14	113,775	539	30	81	VK3MR	A	265,512	496	71	113	PY2FQV	"	10,624	113	13	19			
SP2AHD	"	8,778	124	17	49	YO6EK	"	109,980	561	32	85	VK3BP	7	31,800	209	24	29	PY1EIR	"	2,820	79	7	5			
SP5ATO	"	5,060	61	18	26	YO5BQ	"	39,950	300	21	64	VK3APN	"	24,645	163	23	30	PT7AKQ/8	7	137,112	575	23	64			
SP9OS	"	3,800	56	18	30	YO4XF	"	8,415	116	12	43	VK3XB	3.5	756	23	6	6	PT2GK	"	56,000	274	21	49			
SQ6LK	"	3,000	36	10	20	YO9GP	"	4,753	61	15	34	VK4UR	A	176,981	475	54	77	PY2PH	"	2,242	41	10	9			
SP71FX	"	986	36	6	23	YO4ASD	"	368	19	5	11	VK2BZM/4	"	152,750	424	53	77	PY3APH	"	3,278	56	10	12			
SP9FMD	"	900	24	11	19	YO3BEJ	7	12,126	254	8	34	VK4RU	A	159,250	407	25	46	PY2FUS	"	2,808	44	12	12			
SQ2EPU	"	682	15	9	13	YO5ALH	"	11,424	256	8	34	Ecuador				HC1CW	A	133,348	430	45	61					
SP9FEW	"	266	13	6	18	YO9BGV	"	9,975	129	13	44	VK2BBB	"	6,512	62	19	18	CV8B	28	165,675	748	27	48			
SQ9T	21	25,578	148	24	39	YO9BCZ	"	1,750	58	6	19	VK3MR	A	265,512	496	71	113	CX9BT	3.5	38,589	235	20	37			
SQ8AWL	"	12,354	89	20	38	YO7YO	3.5	14,960	314	8	36	VK3APN	"	24,645	163	23	30	Venezuela								
SQ8AWN	"	8,869	75	17	32	YO5AT	"	10,476	278	6	30	Brunei				SM5LH/W5	14	1,290	30	8	7					
SQ8ARK	"	7,410	74	15	23	Sardinia						V55MC	1,146,964	1,425	96	178	MULTI OPERATOR									
SQ6BFX	"	4,473	75	11	10	IS9BDO	A	75,710	383	41	93	VR1AA	A	132,447	314	74	85	SINGLE								
SQ2FBC	"	1,152	20	11	13	Scotland						KG6JAR	A	342,912	862	52	89	TRANSMITTER								
SQ8ADF	"	1,050	28	7	8	GN3WRN	14	12,150	214	12	33	Hawaii				WA1NRY	1,222,800	1077	109	291						
SP2AVE	14	67,303	376	28	79	GN4AGG	1.8	11,118	242	10	24	A 2,738,904				3,157	123	171	WA1UBC	"	13,920	70	31	49		
SP2BMX	"	25,760	235	19	51	GN3YOR/P	"	6,336	177	10	22	(Op. W6DGH)				W2GKD	1,082,112	982	112	272	W2YD	"	1,005,480	950	108	270
SP8GQU	"	23,655	246	14	43	Sicily						VR1AA	A	132,447	314	74	85	WB2SQN*	959,008	914	104	264				
SQ7ATA	"	22,440	160	20	46	IT9AF	21	91,908	490	26	66	KG6RS*	A	2,738,904	3,157	123	171	W2RHE	"	75,432	162	62	106			
SQ8A0V	"	19,197	116	27	54	Spain						KG6JF	A	636,922	1,156	83	104	W3BWZ	385,586	492	87	191				
SP8HZZ	"	16,660	132	18	50	EA5BS	A	276,315	935	48	147	KH6BYG	"	118,332	527	38	38	W4GSU	1,601,024	1173	134	338				
SP5E2I	"	16,184	233	15	41	EA7YN	"	3,960	65	12	24	KH6HGL	21	39,442	187	37	37	K4VX	836,964	847	104	243				
SQ7ASZ	"	14,746	115	21	52	EA4BV	21	3,745	53	10	25	KH6HGL	21	39,442	187	37	37	K4UT	808,150	782	109	241				
SQ8FNA	"	9,735	116	13	42	EA2CR	"	2,325	43	10	15	Sweden				United States										
SP5GKM	"	8,492	127	14	30	SM5CEU	A	423,934	843	81	202	SM5BJP	"	379,769	668	85	211	WA1NRY	1,222,800	1077	109	291				
SP6BFP	"	7,367	139	15	38	SM5OCJ	"	273,510	590	71	199	SM5BPC	"	273,510	590	71	199	WA1UBC	"	13,920	70	31	49			
SP6HFC	"	6,664	99	14	35	SM7EAN	"	189,930	711	55	140	SM7EAM	"	189,930	711	55	140	W2GKD	1,082,112	982	112	272				
SQ5AD	"	6,006	50	19	44	SM8GVD	"	119,930	483	50	129	SM8GVD	"	119,930	483	50	129	W2YD	"	1,005,480	950	108	270			
SQ6FER	"	4,558	53	15	38	SM5DNI	"	113,022	319	55	134	SM5DNI	"	113,022	319	55	134	WB2SQN*	959,008	914	104	264				
SP9CCA	"	1,953	37	10	21	SM6CMU	"	90,090	362	42	123	SM6CMU	"	90,090	362	42	123	W2RHE	"	75,432	162	62	106			
SP9ALW	"	1,950	49	9	21	SM6TCU	"	88,020	224	46	117	SM6TCU	"	88,020	224	46	117	W3BWZ	385,586	492	87	191				
SP5FLA	"	1,656	56	7	16	SM6GZM	"	81,054	324	43	128	SM6GZM	"	81,054	324	43	128	W4GSU	1,601,024	1173	134	338				
SP9ADU	"	1,421	22	11	18	SM6BCE	"	63,000	220	44	106	SM6BCE	"	63,000	220	44	106	K4VX	836,964	847	104	243				
SQ8HPW	"	1,127	42	6	17	SM5EVS	"	61,650	190	45	107	SM5EVS	"	61,650	190	45	107	K4UT	808,150	782	109	241				
SQ3EYZ	"	432	17	6	10	SM5ECS	"	55,577	244	42	107	SM5ECS	"	55,577	244	42	107	*Committee Member - Ineligible for Award.								
SP9AVZ	"	56	6	2	5	SM5CMV	"	25,056	147	31	65	SM5CMV	"	25,056	147	31	65	*Committee Member - Ineligible for Award.								
SP5ARN	7	44,880	365	19	61	SM5BAX	"	18,531	112	28	59	SM5BAX	"	18,531	112	28	59	Looking pleased with their effort, the team at SK2DR								
SQ9ABU	"	17,018	166	16	51	SM5DLR	"	14,924	136	24	58	SM5DLR	"	14,924	136	24	58	-top SM Multi-Single, SM2EKM, SM2CEW, SM2BLY,								
SP8AIS	"	9,890	192	8	35	SM5DXV	"	8,645	75	20	45	SM5DXV	"	8,645	75	20	45	SM2FRI, SM2LJC, SM2ELN.								
SP2HNF	"	9,675	185	7	36	SM5EY	"	6,768	69	24	48	SM5EY	"	6,768	69	24	48	</								

W4QCW	733,020	686	112	268
K4YFQ	801,856	862	101	251
W4OZF	246,198	442	77	145
W4AZHB	239,682	336	87	171
WB4EME	153,700	285	75	137
K4FW	136,000	237	61	139
W4MII	120,780	252	68	112
WB4HQE	58,968	174	38	88
W4SLE5	1,013,320	1079	111	218
W4SRYT	472,871	573	103	198
W6GK	517,548	2537	86	118
W1ARR/6	336,990	817	57	84
KG6HH	255,020	543	68	96
W7NO	496,332	1137	107	184
W7DAZ	245,280	542	65	95
W8ROF	500,717	589	94	213
W8KIT	294,327	372	102	195
W8BUM	264,940	378	85	175
W9ZTD	504,674	561	112	222
Cayman Is.				
ZFIAL	228,160	869	52	72
Puerto Rico				
KP4EAJ	2,683,525	3343	109	250

AFRICA				
Liberia				
EL2FT	1,470,392	2041	75	157
Madeira Is.				
CT3WA	3,003,196	2698	100	279

ASIA				
Israel				
4Z4IX	1,693,467	1903	80	223
Japan				
J42YA	524,394	820	92	142
J45YCS	51,612	212	42	50
J42ZAP	23,408	126	36	41
Lebanon				
OD5IQ	3,970,912	2966	120	344
U.S.S.R.				
UK9FER	459,368	895	42	140

EUROPE				
Belgium				
ON5KH	98,294	446	37	82
ON4UB	91,434	417	43	104
Bulgaria				
LZ1KDP	552,120	1090	90	231
LZ2KEF	345,681	1106	56	161
LZ2AKD	277,344	869	62	154
LZ2KSB	240,552	710	62	172
LZ1KCP	75,364	654	22	61
LZ2KHM	54,806	320	27	107
LZ2KDI	54,536	614	17	51
LZ1KBU	45,900	381	26	76
LZ2KWD	12,172	268	12	38
Czechoslovakia				
OK3KAG	516,420	1003	84	218
OK1KSO/P	482,220	804	76	206
OK1KTI	311,640	616	78	167
OK3KAP	274,224	1182	70	162
OK1KPU	181,830	646	54	120
OK3RKA	97,856	414	39	117
OK3OSNP	47,610	255	43	72
OK1KCD	36,076	203	37	79
OK3KTY	35,451	195	38	79
OK2KYK	23,920	180	24	68
OK2KO	23,067	159	38	61
OK1KRQ	21,931	169	28	63
OK1KYS	16,524	90	30	38
OK3KQG	12,432	169	20	36
OK3KJX	5,166	121	8	34
OK1KUK	4,836	151	5	26
OK3KPN	2,232	91	5	19
OK1OPK	2,208	43	12	20
OK1KCF	693	31	5	16
OK1KRS	481	40	2	11
England				
G3SSO	668,721	1057	81	222
G3GJL	195,360	541	49	136
G4BWT	171,304	522	57	139
G3N1S	146,028	441	44	128
Faeroe Islands				
OY6FRA	279,993	1161	50	151
Federal Republic of Germany				
DL0WU	1,239,592	1539	98	258
DL0KF	823,548	1189	103	271
DL0TU	812,748	1180	100	256
DL0WN	314,706	626	75	179
DL0II	274,896	941	51	133
DF1SV	59,143	258	44	75
Finland				
OH6AK	283,136	652	64	160

Disqualifications
 Duplicates: KV4FZ, ZL1AR,
 Unverifiable Calls: DJ7MI, EA-
 ZIA,
 Unverifiable Multipliers: K6CQF,
 ZS6IW.

Hungary				
HG5A	1,249,563	1633	108	271
HA0KLE	438,480	831	85	205
HA5KMP/2	407,175	954	80	187
HG8PU	404,270	812	87	216
HA5KFN	330,966	848	63	164
HA7KLG	312,420	764	69	177
HA5KKB	258,420	646	67	169
HA5KBM	253,590	560	70	144
HA8KVG	243,090	739	59	160
HA7KLC	207,900	588	62	158
HA0KLA	167,240	493	56	129
HA8KHW	158,172	516	55	141
HA2KRB	119,112	411	51	117
HA5KAS	111,784	402	46	132
HA8KPU	110,505	495	48	111
HA2KRL	109,076	467	42	106
HA0KLU	105,938	449	46	115
HA6KVB	91,316	494	43	105
HA6KNI	76,073	433	36	91
HA2KMB	61,625	358	37	88
HA1KZU	50,544	422	30	78
HA7KMW	43,382	313	24	85
HA7KMS	41,446	291	31	75
HA1KSL	41,055	197	37	78
HA1KMY	23,936	345	13	51
HA1KVM	19,068	185	26	58
Ireland				
EI1AA	158,110	743	36	127
I.T.U.				
AU1ITU	278,391	748	61	152
Netherlands				
PA9AEH	159,132	614	51	127
PI1PT	35,712	224	28	68
Poland				
SP9PDJ	74,031	304	39	94
SQ9KRT	53,110	386	27	86
SQ4PBI	48,864	454	18	78
SQ3PTE	48,708	389	25	83
SQ1PBL	38,340	342	23	67
SQ1KSK	31,913	318	26	71
SP1KBC	31,140	255	24	66
SP2ZHB	22,750	228	30	61
SQ9KGC	21,995	230	19	64
SP6KMB	11,395	254	10	43
SP3KDT	8,947	108	23	50
SP9BPN	6,579	171	10	30
SP1KKO	4,650	121	10	20
Romania				
YQ4KZC	844,284	1574	85	237
Y08KGA	156,264	510	56	148
Y08KAN	34,128	184	35	73
Y06KAW	3,680	73	10	36
Y03KBC	220	8	5	5
Scotland				
GM3ZRC	77,085	426	33	102
Sweden				
SK2DR	795,872	1469	80	228
SM5AOE	647,615	1133	87	238
SK6BA	579,550	915	97	238
SK2AU	331,444	1091	51	121
SM0BDS	93,687	408	42	125
Wales				
GW3UCB	9,477	255	8	19
Yugoslavia				
YU1BCD	1,601,900	1724	110	305
YU2CBM	258,720	613	73	151
YU2ACF	106,777	391	54	133
YU2CBV	56,515	269	37	90
YU2BOP	44,712	316	32	76
YU2BTU	15,326	100	30	49
U.S.S.R.				
UK4HAM	228,660	600	53	169

OCEANIA				
Australia				
VK5NO	1,058,130	1346	87	183
Wallis Island				
FW0AA	1,149,644	2082	80	114
SOUTH AMERICA				
Argentina				
LU8DQ	1,705,788	1970	101	193
Brazil				
PY1EMM	254,492	589	45	104

French Guiana				
FY7AA	3,750,121	3208	120	289
Venezuela				
4M5ANT	2,090,556	2015	107	244
MULTI-OPERATOR				
MULTI				
TRANSMITTER				
NORTH AMERICA				
W3AU	3,623,116	2135	153	428
W2VP	3,339,215	2147	148	409
W3WJD	2,802,096	1904	139	383
W3GPE	2,556,180	1826	128	367
6Y5BF	2,403,156	3865	95	199
W7SFA	2,057,442	1854	137	254
W3GM	1,741,165	1265	136	343
W3FRY	1,609,097	1256	127	330
WA6EPQ	1,057,398	1195	109	200
WA3ATX	888,573	803	116	277

K2CW/2	744,192	783	105	237
W3VT	696,766	785	95	222
WA5JMK	688,800	719	112	238
W5KFL	598,794	716	108	210
W3BYX	115,427	247	50	119
ASIA				
J43YKC	978,576	1191	109	195
Z4YEF	603,140	871	101	155
J49YA	316,078	627	89	122
J41BSI	16,524	107	32	36
EUROPE				
OH3MG	1,867,600	2334	123	337
SK5AJ	1,404,200	1961	109	304
SQ6PAZ	139,573	582	45	112
SQ3KEY	45,017	332	30	79
SOUTH AMERICA				
PJ9JT	9,753,500	6576	137	363
YV5RT	1,022,684	1232	87	197

Our deep thanks to the following stations who sent in check logs, and to those whose logs we solicited for checking purposes:
 W7BYL, W5AOB, W5UO, W6PHE, W2ATR, W3HAM, W42KTM, K9-K6SF, W4NMQ, W6PQW, K4-LMK, W1MTN, W1LLT, W2EGJ, K3CB, W3URE, W2REX, W1KGR, R2-K4JUD, W3LEZ, W2HQN, WA4REX, WA2AWK, W6EYM, K9JIM, K4JD, W4FZW, W1BBC, W82DKZ, K4TJ, K3JJO, K4TWW, W43TER, W4NH, W3ZDK, W8J-J55, W3BY, K2JE, K4QR, W6OL, W2EQE, DJ1ZB, DK05S, DL1KD, DM2AR, DM2AE, DM2BTO, DM2CLM, DM2CPE, DM2CJH, DM2DE, DM2DGO, DM2DZB, DM2EXH, DM3EA, DM3XM, DM3JGO, DM3WDJ, DM3ZTL, DM4-45F, DM4YZA, DM4ZEL, DM5-LG, DM6TA, HG5EA, LA2BG, LA2KD, LA6HL, LA7SI, LZ2KR.

STATION OPERATORS

Multi-Operator, Single-Transmitter

CT3WA: K2JP, W2AO, W2AX, W2AYJ, W2GC, W2GGE, W2IRV, W2BCKS. DL0KLI: DJ4PX, DK7NM, DJ2EH, DK6NN. DL0WU: DJ4AX, DJ8SW, DK4PT, DL0KFF: DL-1FL, DL2ZT, DLZBO, DJ7SW, DK6LG, DK7LN, DC5OH, DC4LS. DK0TU: DA2QC, DK5BG, DK6QJ, DK1PD, DL7HE, DLFNE, DL7ON, DL7QU, DL7SI. DL0II: DJZYE, DK8EY, DJ2YA, DJ5PE, DJ5PC, DJ8JP, DJ4TJ, DF1SV & DK5SF, DJ3TU. EI1AA: EI2BB, EI2CA, EISCL, EI7CC, EI8CC. EL2FT & EL2JC. FV0AA: K6RIR, K6YFZ, WB6L7J. FY7AA: KP4TIN, F2QQ, F5QQ, G3SSO: G2HDD, G3L3J, G3MZV, G3PEO, G3SNN, G8KQ, G3GJL: G3RMF, G3TOD, G4CXM, G4CNY, G3TQZ, GYBXS. G4BTJ: G3PDL, G3VIP, G3NIS: G3RSF, G3RSP, G3TVW, GM3ZRC: GM3LYI, GM3XNJ. GW3UCB: G3XZK, G4BRK, G4ACC, G4BZD, HG5A: HA5HO, HA5HP, HA5FM, HA5MK, Zoltan. HA0KLE: HA0LO, HA0LM, HA0LZ, HA0MK, HA0MJ. HA5KMP/2: Zoltan, Marozsan, Basta. HG8A: HA8UD, HA8UI, HA8VC, HA8ZR, HA8BU. HA1KVM: Jozsef, Istvan, Miklos, HA1VA. HA7-KMY: Bela, Tibor, Ferenc, Istudn. HA1KSL: HA1SL, HA1-SP, HA1TP, HA1TR. HA7KMS: Mihaly, Jozsef, Lajos, Laszlo. HA7KMW: Tari, Fodor, Tatai. HA7MWO, HA9KPU: Istvan, Janos, Laszlo, Laszlo, Janos. HA8KRL: Ferenc, Jozsef, Herczegi. HA0KLU: Gyozo, Laszlo, Gabor, Sandor, Mihaly. HA6KV: Laszlo, Janos, Istvan, Peter, Jozsef. HA6KNI: Laci, Lajos, Janos, Gyuri, Dodi. HA2KMB: Laci, Sandor, Gyorgy, Balazs. HA1KZU: Kavolyi Bela. HA7KLG: H7-033, H7-032, H7-031, H7-015, HA7MC. HA5KKB: HA5KB, HA5LX, Fay, Szilagy, Lukacs. HA5KBM: HA5BM, HA5-076 Kiraly. HA8KVG: Jenó, Attila, Istvan, Laszlo. HA7KLC: H7-025, H7-051. HA0KLA: HA0LD, HA0544, HA0543. HA0KHW: Sandor, Janos, HA0HW. HA2KRB: Deli, Oravetz, Tavaszi, Karrati, Tultz. HA5KAS: HA5-304, HA5CE, HA5FJ, HA5FZ, HA7TN. HA5KFN: Dobrovitz, Kertes, Szecs, Szollar, Sandor. J42YAB: JA2BP, JA2BY, JA2DV, JA2HO, JA2IU, JA2ANA, JA2CXF, JA2FRG, JA2-HZA JH2MY, JA2GST, JA2ZAP: Club. JA5YCS: JA5EJ, JA5KFJ, JA5NFF, KP4EAJ & W5UDK, WABRGJ, LU8DQ & LU1DZ, LU1DAY. OD5IQ: OD5HC, OH2BH, OH2MM. OH6AK: OH6RE, OH6LV, OH6KI, OH6JG, OK1KSO/P: OK1AE, OK1AAU, OK1ADH, OK1AMX, OK1SF, OK1TS. OK3KAP: OK3TFM, OK3TMD, OK3TPV, OK3TFN. OK1KPU: OK1JDX, Ladislav, OK1AXA. OK1KUK: OK1IDD, OK1KFL,

[Continued on page 67]

tubes which had manufacturer's filament ratings in excess of the maximum wattages specified, then the FCC's job would be made infinitely simpler in its policing efforts. It would be a simple black or white infringement of the rules.

CQ Reviews EBC-144 Jr. [from page 37]

operate outside the band if you are not careful. Double-check your switch settings when you first begin to operate the rig! After a few days, this will become second nature.

Even with a few short-comings, this radio is, in the opinion of this writer, the most important single piece of v.h.f. equipment to enter the amateur radio scene in many years. It will be the forerunner of an entire new class of sophisticated radios which will reflect the constantly advancing state of the art. The EBC-144 JR. will furnish a fine target for the other manufacturers to shoot at. I wish them all the best luck. The only question that I have left is this . . . what will EBC do for an encore?

—W2JUP

QRM [from page 26]

3 el. beam certainly helped me a lot! See you all next year. Please tell me who has the top Novice record all-time and how many points . . . **W2NSJG**. 15 was a very dependable band to Pacific. Wish I had not had to work all weekend, think I could have run up a good score. Conditions better for c.w. test than fone test . . . **WA4OSM**. 15 put on a great show for the contest Saturday afternoon . . . **WA4LJM**. Bad weekend for me, signals were great but had to go to a funeral out of town on Saturday which shot that day completely and had company part of Sunday . . . **K8ARS**. All those KH6's sure sounded like K56's! . . . **WB0LTD**. No activity from zone 34, missed 4 here — but know JTIKAA, VS6DO and 9M2CX—zones 23, 24 and 28 respectively were on okay . . . **W4AAV**. Move it back to Thanksgiving! On second thought, don't! . . . **W9KNI**. Only 7½ hours of operation before linear transformer cratered . . . **W5WZQ**. Good conditions to JA Saturday morning . . . **WA4APG**. Not much time to operate. Maybe you can use log anyway for check . . . **W8CNL**. Good scores could be gotten on 80 if there was more activity from the rest of the world in general because propagation was good. How about an 80 m. contest like ARRL's 10 m. contest? . . . **W7KAR**. A steady S7 power line noise sure hurt with the weak ones . . . **VE3DXV/W6**. Total it for club total only . . . **W5LUI**. First night great—had visions of some kind of record in the making (Hi). Second night—local thunderstorms all night long (sob!!) . . . **W5RTQ**. No openings to Europe or Africa this year. Very poor conditions, but lots of fun. Also note a big decrease in operating skills. DX unable to handle pileups . . . **W7JLU**. Disappointed in lack of activity—especially Saturday night . . . **K2TXC**. A few hours well spent . . . **K6NA**. Must study and get extra—really difficult above 3.25 on 80m . . . **WB8EUN**. A pleasure to get into this test after so many years. Was absent due to Thanksgiving previously. How about alternating c.w. first, phone second, etc., each year? . . . **W9DYD**. Biggest Thrill: Working three new countries—ST2AY, ODSIQ and DJ8QT/CT3 to bring my total to 122 countries on 160! The exceptional 160 meter band opening to EU/AF on Sunday morning allowing QSO's in rapid succession, like having a "pipe-line" from here to there!! Fine operators and nice guys on for the test. 160 is "still a gentleman's band!!" Thanks for running such a nice contest . . . **W1BB**. Will be quite surprised if the F7Y proves legit . . . **K5JVF**. Nuts . . . **WA7OAU**. Hope I never have to turn another beam by hand again . . . **W5KFL**. Won Worth Township (both modes now that W3GPE has moved 30 miles away . . . **W3FRY**. Sure is frustrating hearing them so loud on 160 and not be able to work them . . . **W3WJD**.

Operators [from page 32]

OK1KRO: OK1IAM, OK1VJ, OK1IAV. **OK3KGO**: OK3-2351, OK3ZAD. **OK3KTY**: OK3ZFB, OK3ZGA. **OK1KCD**: OK1-AWF, PO-8523. **OK3KAG**: OK3CIR, OK3YBD, OK3ZFM, OK3ZAF. **OK1KCF**: OK1KZ, OK1XC. **OK2KOO**: OK2BIP, OK3TBC. **OK3KJX**: OK3EQ, OL8CDQ. **OK1KTL**: OK1OA, OK1AWC. **OK1AQT**, OK1FA, OK1AZO, OK1SB, OK1-ATW, OK1TY. **OK1APS**. **OK2KYK**: OK2PBM, OK2BGH. **OK3KPN**: OK3CJN, OK3ZMJ, OL0CBX. **OK1OFX**: OK1MX, Et. Al. **ON4UB**: ON5MF, ON6VL, ON6MH, ON6QR. **ON5-KH** & **ON6HE**, **ON5UQ**, **ON5CY**, **ON6KD**, **ON5JE**, **ON6MD**. **OY6FRA**: OY2H, OY2J, OY3B, OY3H, OY5NS, OY7YD, OY7M. **L2ZKDP**: LZ1GX, LZ1-F3Z, LZ-2-H-SZ, LZ1-A-513, LZ1-A-584, Palm Stan. **LZ1KBU**: Hazlov, Sekezy. **LZ1KCP**: Vatev, Slavchev. **LZ2KDI**: Atanas, Tribondy, Muhsin, Jordanov. **LZ2KEF**: Wasilev, Penchev, Marinov. **LZ2KWD**: Georgiev, Georgiev. **LZ2KHM**: Pesnov, Petrov, Ivanov. **LZ2KAD**: Neros, Mihailov, Runtchev, Stefanoff. **PA9AEH**: & **PA0PN**, **PA0ABM**, **PA0INA**. **PI1PT**: Van Kessel, Koeko. **PY1EMM**: PY1TC, PY2GRO, PY12BJ. **SK2DR**: SM2EKM, SM2CEW. **SK2AU**: SM2DQS, SM2BJE. **SK6BA**: SM6CKU, SM6DHU, SM6EVE, SM6FVJ. **SM5AOE** & **SM6BJI**, **SM5-CZT**. **SM0BDS**: SM0GBB, SM0FX. **SP1KKB**: SPAEN, Zakrzewski. **SP2KDT**: SP2GUB, SP2HMY. **SP2ZHB**: SP2-GRT, SP2HJL, SP2BNF, Pasikowski. **SP5KMB**: SP5FTH, SP5FEV. **SP5PBN**: SP5HZV, SP5GFI. **SP9GTR**. **SQ4PBI**: SQ4FAL, SQ4FAO, SQ4ELO, SQ3PTE. **SQ3FLR**, **SQ3HRN**. **SQ5PSL**: SP8GNF. **SQ7DQN/5**, **SP3HBW**, **SP8GAZ**. **SQ9-KRT**: SP9HMF, SP9FKQ, SP9ZV. **SQ9KGC**: SP9CUX Et. Al. **UK4HAW** & **UA4IU**, **UA4HAL**, **UA4HBR**. **UK9FER**: UA9-FAJ, UV9FN, UA9FDW, UA9140005. **VK5NO** & Son. **WA1-NRV**. **WA1UBC** & **WA1USD**, **WA1LNH**. **W2YD** & **W2BHM**, **W2HZY**, **W2ASRQ**. **WB2SQN** & **K2KUR**. **W2REH** & **W2-HHB**. **W3BWZ** & **W3NL**, **W3ANGS**, **K4CFB**. **K4GSU** & **K4FU**, **K4KSC**, **WBFAW**, **WA8YVR**. **K4VX** & **WB4SGV**. **K4UT** & **W4LCP**. **K4THA**. **W4QCW** & **WA4QOC**. **WA8-ZDT**. **K4YFO** & **WA4BTC** **W9JK**. **W4OZF** & **WA4BTR**. **WA4-ZHB**: **WA4FCT**, **W44HYN**, **W9QVY**, **W0PBI**. **WB4EMF** & **WB4KSS**. **K4FW** & **W9NN**. **W4MII** & **WB2QBH**, **WA6PAQ**, **K5WTA**. **WB4HQE** & **WB4FDT**. **WA5LES** & **WSARJ**. **W5VQ**, **K5PLF**. **WA5WCT**. **WA5RXT** & **WB5JJE**. **W6KG** & **W6DDO**. **WIARR/6** & **W6AGMR**. **K6HII** & **K6AUC**. **W7NQ**: **W7CFJ**, **W7JST**, **W7AVN**, **W7DZA** & **W7BUOV**, **W7YPF**. **W8RFO** & **W8KPL**, **W8EDC**, **W8LYF**. **W8KIT** & **WB2FGA**. **W8UM**: **W8GGN**, **W8PVV**, **W8YBL**. **W92TD** & **W9VNE**, **K9OTB**, **WB9IVC**, **WB9BUV**. **Y03KTC**: **Y03YZ**, **Y03JE**. **Y04KCZ**: **Y04HW**, **Y04SI**, **Y04ASP**, **Y04AVR**. **Y08KAN**: **Y08ME**, **Y08MI**. **Y08KA**: **Y08DD**, **Y08JG**. **Y06KEU**: **Y06ADM**, **Y06MY**. **YU1BCD**: **YU1NQW**, **YU1NZV**, **YU1ODO**, **YU1PCF**, **YU1QBC**. **YU2ACF**: Petar, YU1INVY, YU2PRT. **YU2BTU**: YU2RMT Et. Al. **YU2BOP**: YU2ZP Et. Al. **YU2CBM**: Kojljatic, Skoko, Grubisic. **YU2CBV**: YU2RKE, YU2RTG. **Zeljko**, **YU2RFP**. **ZF1AL** & **ZF1CN**. **4M5ANT** & **YV5AAS**, **YV5BNR**, **YV5BZT**. **4U1ITU**: **HB9AXK**, **HB9AZD**. **4Z4IX** & **4Z4DZ**, **4X4WN**.

Multi-Operator, Multi-Transmitter

JA3YKC: JA2VUP, JA3ODC, JA3QOG, JA3REU, JA3UHM, JH3BNH, JH3FZB, JH3GLP, JH3HBF, JH3LJL, JH3NYM, JH3PLE, JR3WBE, JE3BYW, JE3JBI, JA4LVF, JA5GLY. **JA2YEF**: JA2SAP, JA2SWH, JA2TAP, JA2CA, JA2VHO, JH2BFT, JH2IRH, JH2NTZ, JH2XQY, JR2ADN, JA0TJT. **JA9YBA**: JH1GUO, JH2SGU, JA2NXX, JR2AKB, JA3VEN, JA9GLL, JA9GGH, JA9DZS. **JA1YSI**: JH1BIH, JH1CJU, JA1UGJ. **OH3MG** & **OH2DT**, **OH3IR**, **OH3RJ**, **OH3SA**, **OH3WZ**, **OH3XZ**, **OH3YI**. **PJ9JT**: DJ3KR, K4GKD, PJ2ARI, PJ2VD, W1BIH, W1GNC, W1TX, W3LPL, WA1STN, WA1-STO. **SK5AJ**: SM5AD, SM5AXP, SM5AAY, SM5BNZ, SM5-CAK, SM5CBN, SM5CNO, SM5DSU, SM5DYD. **SQ3KEY**: SP3CTO, SP3FUO. **SQ6PAK**: SQ6FJG, SP6HEK, SP6EEK, SP6FRA, SP6GIY, SP6DVP. **W2FP** & **K1OME**, **K1ZND**. **WA1-ABV**, **WA1ABW**, **WA1JYJ**, **WA2CLO**, **WA2LQZ**, **WB2OEU**, **WA2SPL**. **K2CW** & **W2BCU**, **W2LSX**, **K2BPP**, **K2JOA**, **K2JQR**, **WA2DSA**, **WA2GAV**, **WB2APO**, **WB2BYW**, **WB2FTO**, **W3BNF**, **WN2VZZ**, **WN2VZY**, T. Edens, R. Hazen. **W3AU** & **W3ZKH**, **K3EST**, **WA3AMH**, **WA3HRV**, **WA3IAQ**, **WB4-ODN**. **W3WJD** & **W3DQG**, **WA3JLT**, **WA3LRO**, **W6MWJ**. **W3GPE** & **K3O10**, **K3WJV**, **WA3FFR**, **WA3GUL**. **W3GM** & **W3FM**. **W3JSX**, **W3KFK**, **K3ZOL**. **WA3JYB**. **W3FRY** & **K3H-TZ**, **K3DZB**, **WA3LNM**, **WA3NQX**, **WA3WIM**. **WA3ATX** & **WA3COJ**, **WA3GJZ**, **WA3S3I**. **W3TV** & **W3AOH**. **W3VW**. **W3BYX** & **WA3KRD**. **WA5JMK** & **WA5UCT**. **W5KFL** & **WA5OCN**, **WA5ZWC**, **WB5DDI**. **WA6EPO** & **WA6IPY**. **W7-SFA** & **W7APN**, **W7ENM**, **W7EXM**, **K7JKA**, **K7VFP**, **WA7OTI**, **VE7ZZ**. **YV5RT**: YV4TI, YV5AW, YV5CET, YV4ID, YV4CI, YV4NQ, YV1MV, YV4AE, YV4AC, YV4AOO, YV4ATW, YV4BE, YV4AY. **6Y5BF** & **K4CEF**, **K4SHB**, **K4LDR**, **W4-BRB**, **WB4TAF**, **WB4FLW**, **W9NFC**, **K4VC**, **WB4KZU**, **W4MY**.